

Form 1449*	Atty. Docket No.: 1528.010US1	Serial No. <del>Unknown</del> 1528.010US1
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Michael Childs et al.	
	Filing Date: Herewith 12/21/01	Group: <del>Unknown</del> 3CC1

11002 U.S. PTO  
10/032196  
12/21/01

## U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
ntu	6,317,684	11/13/2001	Roeseler, A., et al.	701	202	12/22/99
ntu	6,317,687	11/13/2001	Morimoto, K., et al.	701	211	10/05/92
ntu	6,321,158	11/20/2001	DeLorme, D.M., et al.	701	201	08/31/98

## FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes   No
-----------------------	-----------------	------	---------	-------	----------	-------------------------

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

ntu	"An optimal pathfinder for vehicles in real-world digital terrain maps", <a href="http://www.nease.net/jamsoft/shortestpath/pathfinder/4.html">http://www.nease.net/jamsoft/shortestpath/pathfinder/4.html</a> , 11 pages, (1999)
ntu	"Informed Search Methods", <u>Artificial Intelligence, A Modern Approach</u> , Prentice Hall, Inc., pp. 92-115, (1995)
	"Real-Time Vehicle Routing in Dynamic and Stochastic Urban Traffic Networks", <a href="http://www.gpu.srv.ualberta.ca/lfu/research.htm">http://www.gpu.srv.ualberta.ca/lfu/research.htm</a> , pp. 1-3, (1997)
	Ahuja, R., et al., "Faster Algorithms for the Shortest Path Problem", <u>Journal of the Association for Computing Machinery</u> , 37(2), pp. 213-223, (1990)
	Chung, V., et al., "An Efficient Implementation of Parallel A *", <u>CFPAR</u> , Montreal, Canada, pp. 153-167, (1994)
	Fredman, M., et al., "Fibonacci heaps and their uses in improved network optimization algorithms", <u>Journal of the ACM</u> , 34(3), 2 pages, (1987)
	Fu, L., "Heuristic Shortest Path Algorithms and their Potential IVHS Applications", <u>Proceedings of the Fourth University of Alberta - University of Calgary, Joint Graduate Student Symposium in Transportation Engineering</u> , pp. 83-109, (1995)
	Ikeda, T., et al., "A Fast Algorithm for Finding Better Routes by AI Search Techniques", <u>Vehicle Navigation and Information Systems Conference Proceedings</u> , pp. 291-296, (1994)
	Kaindl, H., et al., "Memory-Bounded Bidirectional Search", <u>Proceedings of the 12th National Conference on Art</u> , AAAI Press, Seattle, WA, pp. 1359-1364, (1994)
ntu	Laporte, G., "The Vehicle Routing Problem: An overview of exact and approximate algorithms", <u>European Journal of Operational Research</u> , 59, pp. 345-358, (1992)

Examiner <u>nguyenben</u>	Date Considered <u>9/2/03</u>
---------------------------	-------------------------------

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449*	Atty. Docket No.: 1528.010US1	Serial No. <del>Unknown</del> 10/03 2196
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Michael Childs et al.	
	Filing Date: <del>Herewith</del> 12/21/01	Group: <del>Unknown</del> 3661

## OTHER DOCUMENTS

\*\*Examiner  
Initial

(Including Author, Title, Date, Pertinent Pages, Etc.)

ntu	Myers, B., "Data Structures for Best-First Search", <a href="http://www4.ncsu.edu/jbmyers/dsai.htm">http://www4.ncsu.edu/jbmyers/dsai.htm</a> , pp. 1-6, (1997)
	Ronngren, R., et al., "Parallel and Sequential Priority Queue Algorithms", <u>ACM Transactions on Modeling and Computer Simulation</u> , 7(2), pp. 168-172, 198, 199, (1997)
	Stout, B., "Smart Moves: Intelligent Pathfinding", <u>Gamasutra</u> , <a href="http://www.gamasutra.com/features/programming/080197/pathfinding.htm">http://www.gamasutra.com/features/programming/080197/pathfinding.htm</a> , pp. 1-11, (1997)
	Wai, L., et al., "Comparative Study of Shortest Path Algorithm for Transport Network", <u>USRP Report 2</u> , <a href="http://www.comp.nus.edu.sg/leonghoe/USRPReport-txt.html">http://www.comp.nus.edu.sg/leonghoe/USRPReport-txt.html</a> , pp. 1-10, (1999)
ntu	Zhan, F.B., "Three Fastest Shortest Path Algorithms on Real Road Networks: Data Structures and Procedures", <u>Journal of Geographic Information and Decision Analysis</u> , 1(1), <a href="http://www.geog.uwo.ca/gimda/journal/vol1.1/Zhan/Zhan.htm">http://www.geog.uwo.ca/gimda/journal/vol1.1/Zhan/Zhan.htm</a> , 11 pages, (1997)
ntu	Zhao, Y., et al., "An Adaptive Route-Guidance Algorithm for Intelligent Vehicle Highway Systems", <u>American Control Conference, Boston, MA</u> , Department of Electrical Engineering and Computer Science, The University of Michigan, pp. 2568-2573, (1991).

Examiner <u>Nguyenkim</u>	Date Considered <u>9/2/03</u>
---------------------------	-------------------------------

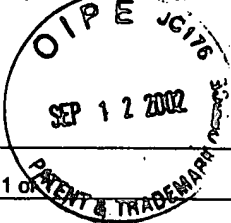
\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number 10/032196

Filing Date December 21, 2001

First Named Inventor Childs, Michael,

Group Art Unit 3661

Examiner Name Unknown

Sheet 1 of

Attorney Docket No: 01528.010US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
YLV	US-5537323	07/16/1995	Schulte, Hans H.	364	449	01/18/1994

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
--------------------	---------------------	------------------	---	-------	----------	----------------

**OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
--------------------	----------------------	---	----------------

COPY OF PAPERS  
ORIGINALLY FILED

RECEIVED

SEP 13 2002

GROUP 3600

EXAMINER

*Nguyen*

DATE CONSIDERED

9/2/03